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ATTACHMENT A

Claims 1 - 12: (Cancelled)

- 13. (Currently Amended) An adduct comprising MgCl₂, ethanol and a Lewis base (LB) different from water, said adduct further comprising a fusion enthalpy lower than 100 J/g, and formula MgCl₂•(EtOH)_n(LB)_p, wherein n is from 2 to 6 and p is $0 \le p/(n+p) \le 0.1$.
- 14. (Currently Amended) The adduct according to claim 13, wherein p is $0 \le p/(n+p) \le 0.0125$ p/(n+p) ≤ 0.0125 .
- 15. (Previously Presented) The adduct according to claim 13, wherein the Lewis base is selected from others, esters, compounds of formula RX_m, and combinations thereof, wherein R is a hydrocarbon group comprising from 1 to 20 carbon atoms; X is -NH₂, -NHR or -OH; and m is 1 or higher.
- 16. (Previously Presented) The adduct of claim 15, wherein RX_m is selected from the group consisting of methanol, propanol, isopropanol, n-butanol, sec-butanol, tert-butanol, pentanol, 2-methyl-1-pentanol, 2-ethyl-1-hexanol, phenol, 4-methyl-1-phenol, 2-6-dimethyl-1-phenol, cyclopentanol, ethylen glycol, propylen glycol, 4-butanediol, glycerine, mannitol, polyvinyl-alcohol, acetonitrile, ethylenediammine, 3-picoline, triethanolammine, triethylammine, and diisopropylammine.
- 17. (Cancelled)
- 18. (Previously Presented) A catalyst component for polymerizing at least one olefin comprising a product of a reaction between a transition metal compound and the adduct according to claim 13.

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- 19. (Previously Presented) The catalyst component according to claim 18, wherein the transition metal compound is selected from at least one titanium compound comprising formula Ti(OR)_nX_{y-n}, wherein n is between 0 and y; y is a valence of titanium; X is halogen; and R is an alkyl radical comprising 1-8 carbon atoms, or COR, wherein R is a hydrocarbon group comprising from 1 to 20 carbon atoms.
- 20. (Previously Presented) The catalyst component according to claim 19, wherein the titanium compound is selected from TiCl₃, TiCl₄, Ti(OBu)₄, Ti(OBu)₂Cl₅, Ti(OBu)₂Cl₂, and Ti(OBu)₃Cl.
- 21. (Previously Presented) The catalyst component according to claim 18, wherein the reaction between the transition metal compound and the adduct is carried out in presence of an electron donor compound.
- 22. (Previously Presented) The catalyst component according to claim 21, wherein the electron donor is selected from esters, ethers, amines, and ketones.
- 23. (Previously Presented) A catalyst for polymerizing at least one olefin comprising a product of a reaction between the catalyst component according to claim 19, and an aluminum alkyl compound.
- 24. (Previously Presented) A process for polymerizing at least one olefin of formula CH₂=CHR, wherein R is hydrogen or a hydrocarbon radical comprising 1-12 carbon atoms, carried out in presence of the catalyst according to claim 23.
- 25. (Currently Amended) An adduct comprising $MgCl_2$ ethanol and a Lewis base (LB) different from water, said adduct further comprising formula $MgCl_2 \bullet (EtOH)_n(LB)_p$, wherein n is from 2 to 6 and p is 0 < p/(n+p) < 0.0125 p/(n+p) < 0.0125.
- 26. (Previously Presented) An adduct comprising MgCl₂, ethanol and a Lewis base (LB)

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different from water, said adduct further comprising formula MgCl₂•(EtOH)_n(LB)_p, wherein n is from 2 to 6 and p is p/(n+p)≤0.1, and said Lewis base is selected from the group consisting of methanol, propanol, isopropanol, n-butanol, see-butanol, tert-butanol, pentanol, 2-methyl-1-pentanol, 2-ethyl-1-hexanol, phenol, 4-methyl-1-phenol, 2,6-dimethyl-1-phenol, cyclohexanol, cyclopentanol, ethylen glycol, propylen glycol ,4-butanediol, glycerine, mannitol, polyvinyl-alcohol, acetonitrile, ethylenediammine, 3-picoline, triethanolammine, triethylammine, and diisopropylammine.